Defense Information Systems Agency
Applications Engineering Facility

JOPES Predefined Reports Software Users Manual

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1.0 Section I

The following sections describe the introduction and summary for the Predefined Planning Reports application.

1.1 Introduction

The purpose of this manual is to provide guidance to users working with the following modules:

- Transportation Feasibility Estimator (TFE)
- Logistics Factors File Reports (LFF)
- PORTS (FI)
- APORTS (FJ)
- OPLAN Narrative (A5)
- Force Reports

These modules comprise the Predefined Planning Reports application, which is part of the Joint Operation Planning and Execution System (JOPES). JOPES is part of the larger Global Command and Control System (GCCS) being fielded within the Department of Defense (DoD). This manual guides users through the online screens necessary to generate the reports.

1.2 Summary

These reports were created using specifications generated from the analysis of COBOL programs T01, T05, T06, T07, T08, T09, F12L, FI, FJ, A5 BF, C6 and C7 supporting the World-Wide Military Command and Control System (WWMCCS) and the Joint Deployment System (JDS). The reports were developed by the contractor in April, May, June, July and August of 1995 under the sponsorship of the Defense Information System Agency (DISA), Center for Software (CFSW), Software Systems Engineering Directorate. They were revised to include the Gain Momentum front end in Oct 95-Mar 96.

The reports are accessed through a Predefined Planning Reports Menu via the JOPES Navigation application. The reports can be displayed online or in printed format, depending on the user's requirements. Generation of multiple reports requires that the user wait until one report prints before generating the next report.

The user can access a **Help** function, which provides information on the current screen, overviews of system functionality, or report descriptions.

1.3 Conclusions

The Predefined Planning Reports facility utilizes a combination of GAIN Momentum and Reports 2.0 to provide the user with screen-based or hard copy output for the reports listed in Section 1.2.

2.0 Section II

The following sections cover reference documents, hardware and software requirements, application and processing architecture, and reports produced by the application. User processing is also covered in sections describing menu operation and user input including detailed instructions on the production of each report listed in section 1.2.

2.1 Referenced Documents

The following documents were referenced in support of the software development of the reports listed in section 1.2:

- Global Command and Control System (GCCS) Common Operating Environment Baseline dated November 28, 1994.
- (GCCS) Integration Standard Version 1.0
- User Interface Specifications for the Global Command and Control System (GCCS) Version 1.0
- Oracle Reports 2.0 Reference Manual
- Oracle Reports 2.0 Messages and Codes
- Oracle 7 Server Messages and Codes
- Oracle 7 Administrator's Guide
- Oracle PL/SQL User's Guide
- JOPES Navigation User's Manual

2.2 System Summary

2.2.1 Hardware Requirements

The following hardware is required to run the Predefined Planning Reports:

- SUN SPARC 1000/2000 Server
- X-terminal or PC running X-terminal emulation software

Specific hardware requirements can be found in Appendix A of the GCCS Common Operating Environment Baseline. Refer to the Predefined Planning Reports Product Specification for further details regarding storage and memory requirements for the hardware.

2.2.2 Software Requirements

The following Commercial-Off-the-Shelf Systems (COTS) products are required to run the Predefined Planning Reports:

- Sun Solaris 2.3
- Oracle RDBMS 7.0.16
- Oracle Reports 2.0.13.2.0
- Gain Momentum

The Predefined Planning Reports application is accessed via the JOPES Navigation segment and therefore requires that the segment also be installed in the target environment.

2.3 Reports Produced

The following paragraphs describe the reports contained in the Predefined Planning Reports module.

2.3.1 TFE Reports

2.3.1.1 Airlift Channel Summary Report (T01)

This report identifies the cargo weights, volumes, and number of passengers transported by air between the Port of Embarkation (POE) and Port of Debarkation (POD). The user may specify which sources to include in the report. Unique combinations of POE and POD geolocation codes defined in the force records are listed with the specified POD preferred source(s) of transportation. Two iterations of this report are produced. The first iteration is sorted by POD within POE and provides the total number of occurrences for each POD/POE combination and the total amount of cargo and passengers onloading from the POE. The second iteration is sorted by POE within POD and provides the total number of occurrences of each POD and the total amounts of cargo and passengers offloading at the POD. For every change in POE, all the weights and measurements for each POD are totaled. An example of this report sorted by POE is shown in Figure B-1, "Airlift Channel Summary Report".

2.3.1.2 Sealift Channel Summary Report (T01)

This report identifies the cargo weights, volumes, and number of passengers transported by sea between the Port of Embarkation (POE) and Port of Debarkation (POD). The user may specify which sources to include in the report. Unique combinations of POE and POD geolocation codes defined in the force records are listed with the specified POD preferred source(s) of transportation. Two iterations of this report are generated. The first iteration is in POE sort order and provides the total number of occurrences of each POE and the total amount of cargo and passengers onloading from the POE. The second iteration is in POD sort sequence and provides the total number of occurrences of each POD and the total amount of cargo and passengers offloading at the POD. An example of this report sorted by POE is shown in Figure B-2, "Sealift Channel Summary Report".

2.3.1.3 Facility Planning

2.3.1.3.1 Facility Offload/Clearance Capacities Report (T05)

The Facility Offload/Clearance Capacities Planning Factors report provides the user with a means of evaluating the usage of facilities identified in an Operation Plan (OPLAN). Additionally, the report provides the offloading and clearance capacities of each POE and POD as defined in the GCCS database. This information may be modified by the user to reflect OPLAN-unique factors which impact the port capacities. The resulting mobility facility data are saved separate from the GCCS database and are available for further user modification and for use by the Mobility Facility Daily Workload Report (T06). An example of this report is shown in Figure B-3.

2.3.1.4 General War Transportation Analysis

2.3.1.4.1 Strategic Lift Requirement Report (T07)

This report provides the total cargo requirements, the total outsize and nonair-transportable (NAT) cargo requirements and the total Petroleum, Oil & Lubricants (POL) or water requirements by time period and POD preferred mode of transportation. The tonnage values are reported in short tons and measurement tons and are accumulated by POD Latest Arrival Date (LAD). The Movement Requirement IDs of the requirements that contain outsize, NAT cargo, POL, or water are also printed in this report. An example of this report is shown in Figure 2-4, "Strategic Lift Requirement Report". An example of this report is shown in Figure B-4.

2.3.1.4.2 Destination Daily Reception Requirement Report (T07)

This report provides detail information on force and non-unit movement requirements in terms of items transported, weights and volumes of cargo, passenger totals, mode of transportation, geographic locations of POD and destination, and country code. The report provides daily totals for each close day at destination, period totals for 5 and 10 day duration, and final totals for all close day periods. An example of this report is shown in Figure B-5.

2.3.1.4.3 Destination Reception Requirement Summary Report (T07)

This report identifies the requirements transitioning user defined channel by time period and preferred mode to the ending location, in terms of items transported, weights and volumes of cargo, passenger totals, mode of transportation, geographic locations of starting and ending points. The report provides daily totals for each close day at the ending location, period totals for 5 and 10 day duration, and final totals for all close day periods. An example of this report is shown in Figure B-6.

2.3.1.4.4 Daily Lift Requirements Analysis Report (T07)

This report identifies the requirements transitioning each user defined channel by time period and preferred mode to the ending location, in terms of items transported, weights and volumes of cargo, passenger totals, mode of transportation, geographic locations of starting and ending points. The report provides daily totals for each close day at the ending location, period totals for 5 and 10 day duration, and final totals for all close day periods. An example of this report is shown in Figure B-7.

2.3.1.4.5 Summary Lift Requirement Analysis Report (T07)

This report gives detailed information on force and nonunit movement requirements in terms of weights and volumes of cargo, passenger totals, and geographic location of starting and ending points. The report provides totals for close day to ending point periods for 5 and 10 day durations. Final passenger and cargo totals are reflected for all close day periods. An example of this report is shown in Figure B-8.

2.3.1.5 Retrograde/MEDEVAC Report (T08)

This report lists all nonunit related records which have a type movement code of 'D' (Medical Evacuation (NEOMEDEVAC)), 'E' (Noncombatant Evacuees), 'G' (Retrograde Personnel), 'M' (Medical Evacuation), or 'T' (Retrograde Cargo). The report is sorted by type movement and Point of Debarkation Latest Arrival Date (LAD). An example of this report is shown in Figure B-9,

"Retrograde/MEDEVAC Report".

2.3.1.6 Negative Day Report (T08)

This report shows the all records with a negative day (N-day) in the Ready to Load Date (RLD), Available to Load Date (ALD), Earliest Arrival Date (EAD), Latest Arrival Date (LAD) or Required Delivery Date (RDD). An example of this report is shown in Figure B-10.

2.3.1.7 Matrix Advisory Report (T09)

This report contains the list of unique Port of Debarkation (POD) Load Configuration/Discharge Constraint combinations for force records in the OPLAN being processed. It also contains non-unit information in terms of the first position of the Cargo Category Code, the Heavy Lift Code, and the Special Vehicle/Containerization code. An example of this report is shown in Figure B-11.

2.3.1.8 Force Cargo Analysis Report (T09)

This report shows the containerizable cargo aspects of an operation plan including square footage, short tons (STONS), measurement tons (MTONS), and a percentage of cargo that is containerizable. An example of this report is shown in Figure B-12.

2.3.2 LFF Reports

2.3.2.1 Unit Consumption Factors Report (F12L)

This report shows the consumption rates for various combat intensity rates for resupply purposes. It displays the type of Unit Type Code (UTC) in Theater of Operation for a single day. Theaters reported are European, Southwest Asia, Pacific, and Arctic regions. This report is either displayed at the users screen or sent to a printer. Consumption rate factors for non-European theaters are arithmetically calculated based on the multiplier factor quantity for the reported theater. An example of this report is shown in Figure B-13.

2.3.2.2 Resupply Origin Factors Report (F12L)

This report lists the supply class, origin geolocation code and name, percentage of resupply from the geolocation for the theater (Atlantic, Pacific, or All), the POE geolocation code and name for air resupply for the Atlantic and Pacific ports, and the POE geolocation code and name for sea resupply for the Atlantic and Pacific ports for the resupply origin factors data within an armed service code. An example of this report is shown in Figure B-14.

2.3.2.3 General Supply Capability Report (F12L)

This report lists the supply class, fuel code and the supply weights and volumes for the general supply data within an armed service and/or Defense Logistics Agency (DLA) code(s). An example of this report is shown in Figure B-15.

2.3.2.4 Ports of Support Report (F12L)

This report lists the country/state name and the geographic location names for all the supporting ports within a selected command organization type code. An example of this report is shown in Figure B-16.

2.3.2.5 Master Consumption Factors Report (F12L)

This report shows the master consumption rates for various combat intensity rates for resupply purposes in European, Southwest Asia, Pacific, and Arctic theaters of operation. Output from this report can be displayed at the users screen or sent to a printer. Consumption rate factors for non-European theaters are arithmetically calculated based on the multiplier factor quantity for the reported theater. An example of this report is shown in Figure B-17.

2.3.3 PORTS Reports

2.3.3.1 Port General Information Report (FI)

This report gives general port information for a port selected by the user from the Specific Port Selection Menu. An example of this report is shown in Figure B-18.

2.3.3.2 Port Channel Information (FI)

Menu. An example of this report is shown in Figure B-19.This report gives channel information for a port selected by the user from the Specific Port Selection.

2.3.3.3 Port Standard Berth Information (FI)

This report gives standard berth information for a port selected by the user from the Specific Port Selection Menu. An example of this report is shown in Figure B-20.

2.3.3.4 Port Berth Summary Information (FI)

This report gives standard berth information for a port selected by the user from the Specific Port Selection Menu. An example of this report is shown in Figure B-21.

2.3.3.5 Port Capacity Information (FI)

This report gives berth capacity information for a port selected by the user from the Specific Port Selection Menu. An example of this report is shown in Figure B-22.

2.3.3.6 Port Storage Capacity Report (FI)

This report gives berth capacity information for a port selected by the user from the Specific Port Selection Menu. An example of this report is shown in Figure B-23.

2.3.3.7 Port Harbor Craft Information (FI)

This report gives harbor craft information for a port selected by the user from the Specific Port Selection Menu. An example of this report is shown in Figure B-24.

2.3.3.8 Port MHE/Crane Information (FI)

This report gives Material Handling Equipment (MHE) and crane capacity information for a port selected by the user from the Specific Port Selection Menu. An example of this report is shown in Figure B-25.

2.3.3.9 Port Harbor List Report (FI)

This report gives a list of harbors for a port selected by the user from the Specific Port Selection Menu and can allow the user to pick a specific harbor for more viewing detail. An example of this report is shown in Figure B-26.

2.3.3.10 Port Remarks (FI)

This report gives remarks for a port selected by the user from the Specific Port Selection Menu. An example of this report is shown in Figure B-27.

2.3.3.11 Harbor General Information (FI)

This report gives general information for a harbor of a port selected by the user from the Detailed Harbor Report Selection screen. An example of this report is shown in Figure B-28.

2.3.3.12 Harbor Channel Information Report (FI)

This report gives channel information for a harbor selected by the user from the Detailed Harbor Report Selection screen. An example of this report is shown in Figure B-29.

2.3.3.13 Harbor Standard Berth Information (FI)

This report gives standard berth information for a harbor selected by the user from the Detailed Harbor Report Selection screen. An example of this report is shown in Figure B-30.

2.3.3.14 Harbor Berth Summary Information (FI)

This report gives standard berth information for a harbor selected by the user from the Detailed Harbor Report Selection screen. An example of this report is shown in Figure B-31.

2.3.3.15 Harbor Capacity Information (FI)

This report gives berth capacity information for a harbor selected by the user from the Detailed Harbor Report Selection screen. An example of this report is shown in Figure B-32.

2.3.3.16 Harbor Storage Capacity Information (FI)

This report gives berth capacity information for a harbor selected by the user from the Detailed Harbor Report Selection screen. An example of this report is shown in Figure B-33.

2.3.3.17 Harbor MHE/Crane Information (FI)

This report gives Materials Handling Equipment (MHE) and crane capacity information for a harbor selected by the user from the Detailed Harbor Report Selection screen. An example of this report is shown in Figure B-34.

2.3.3.18 Harbor Wharf List Report (FI)

This report gives a list of wharfs for a harbor selected by the user from the Detailed Harbor Report Selection screen and can allow the user to pick a specific wharf for more viewing detail. An example of this report is shown in Figure B-35.

2.3.3.19 Harbor Remarks Report (FI)

This report gives remarks for a harbor selected by the user from the Detailed Harbor Report Selection screen. An example of this report is shown in Figure B-36.

2.3.3.20 Wharf General Information (FI)

This report gives general information for a wharf selected by the user. An example of this report is shown in Figure B-37.

2.3.3.21 Wharf Standard Berth Information (FI)

This report gives Standard Berth information for a wharf selected by the user from the Port Summary Report. An example of this report is shown in Figure B-38.

2.3.3.22 Wharf Primary Berth Information (FI)

This report gives Standard Berth information for a wharf selected by the user from the Port Summary Report. An example of this report is shown in Figure B-39.

2.3.3.23 Wharf Capacity Information (FI)

This report gives capacity information for a wharf selected by the user. An example of this report is shown in Figure B-40.

2.3.3.24 Wharf Storage Capacity Information (FI)

This report gives wharf storage capacity information for a wharf selected by the user. An example of this report is shown in Figure B-41.

2.3.3.25 Wharf MHE/Crane Information (FI)

This report gives wharf Materials Handling Equipment (MHE) and Crane information for a wharf selected by the user. An example of this report is shown in Figure B-42.

2.3.3.26 Wharf Remarks (FI)

This report gives Wharf Remarks for a wharf selected by the user. An example of this report is shown in Figure B-43.

2.3.4 Airport Reports

2.3.4.1 APORTS Detail Display Part 1 Report (FJ)

This report gives detailed information such as cargo storage and throughput, aircraft parking, and

passenger capabilities for an aerial port geolocation code selected from the APORTS Summary Display list. An example of this report is shown in Figure B-44.

2.3.4.2 APORTS Detail Display Part 2 Report (FJ)

This report gives detailed information such as cargo discharge and clearance rates and arrivals, departures, and mixtures of arrivals under visual and instrument flight conditions. An example of this report is shown in Figure B-45.

2.3.4.3 APORTS APRON Detail Display Report (FJ)

This report gives detailed apron information such as type, surface, dimensions, and conditions. An example of this report is shown in Figure B-46.

2.3.5 OPLAN Narrative Reports

2.3.5.1 OPLAN Narrative (A5)

This report provides a narrative with six sections which is generated for each selected OPLAN including:

* Plan Identification, Mission and Objectives
* Concept of Operations, Supporting CINCs and Plans
* Narrative on Objectives and Key Assumptions
* Constraints, Resources and Unit Shortfall
* Nonunit Resupply and Related Personnel Shortfall
* Major Forces

An example of this report is hown at B-47.

2.3.6 Force Reports

2.3.6.1 Unit Tasking (C6)

This report provides information on Operation Plan (OPLAN) taskings for individual units. The information provided by the Unit Tasking report permits the planner to analyze the impact of multiple taskings for a single unit. The planner can input up to six (6) OPLANs and fifty (50) unit identifiers for creation of the report. The report includes movement identifiers, unit descriptions, personnel requirements, cargo requirements, Port of Debarkation (POD), and Destination information for the planner from the Force Requirements area of the GCCS database. The report also provides summary information on total passenger quantity, total cargo weights and volumes, and calculates the earliest and latest POD Latest Arrival Dates (LAD). An example of this report is shown in Figure B-48.

2.3.6.2 OPLAN Comparison (C7)

This OPLAN Comparison report lists multiple Operation Plan (OPLAN) taskings for individual units. The information provided permits the planner to analyze the impact of OPLAN execution on the ability to execute other OPLANs. The planner must enter at least two (2) OPLANs and can input up to six (6) OPLANs. The selection process uses the OPLAN (OP_PLN_ID) to collect and print

unit identifiers, unit names, unit type codes, unit level codes, the Unit Description Code (UDC) and the number of unit taskings in each OPLAN if the unit is tasked in at least two of the entered OPLANs. An example of this report is shown in Figure B-49.

2.3.6.3 Master Force List (BF)

The Master Force List report facilitates comparison of the required movement dates with scheduled and reported movement dates. The input process for this report allows the user to select force, non-unit cargo, non-unit personnel, or all movement requirements for analysis. The user has multiple predefined ordering options to choose from or the option to define a unique ordering based on the output data fields. Additionally, the user has the option to apply multiple constraint values to the selection which help to limit the volume of output data. An example of this report is shown in Figure B-50.

2.3.6.4 Force Personnel (F11X)

The Force Personnel Report shows by Service and LAD, totals and accumulative totals for authorized personnel and passengers contained in TPFDD force records. A total for all Services is shown at the end of the report. The Nonunit Cargo Report shows quantitative nonunit cargo data ordered by Service supply class/subclass, and LAD. Quantitative data are short tons, measurement tons, barrels of POL, and barrels of water. Accumulative totals are maintained by Service and supply class/subclass. At the conlusion of the report, a single summary page shows total values for each Service or using organization and an OPLAN total. The TPFDD/SRF must be loaded prior to module execution. An example of this report is shown in Figure B-51.

2.3.6.5 Support Force Analysis (F35)

A report that includes TPFDD sequence number, unit identification, ULN, providing organization code, Service code, force indicator code, parent indicator code, unit type code, unit level code, number of personnel, number of passengers, short tons, origin geocode, POD geocode, mode to POD, LAD, destination name and mode, and RDD at destination. Forces are grouped by generic name headings in accordance with functional categories determined by the first character of each UTC. Totals for personnel, passengers, and short tons are printed for each functional category and as a grand total at the end of each report. An example of this report is shown in Figure B-52.

2.3.6.6 Time-Phased Force Deployment List (F53)

This module provides a capability to print Timephased Force and Deployment Lists (TPFDL) (working paper and finalized) for the OPLAN force list under development. The TPFDL working paper will be used extensively during informal coordination of a finalized TPFDL. The TPFDL is formatted as Appendix 1 to Annex A of an operation plan . Data shown are the unit line number, unit type code, providing organization, origin name, POD transportation mode, POD location and country names, LAD, priority, and priority add-on. The report contains all force records in LAD sequence. The user can select all force records or qualify records by TPFDD sequence number. An example of this report is shown in Figure B-53.

2.3.7.1 Country Codes (F12C)

This application provides the capability to page and search country codes and country names. An example of this report is shown in Figure B-54.

2.3.8.1 Type Unit Equipment Detail - TUDET (F12D)

This application allows the user to review the contents of the TUDET file. An example of this report is shown in Figure B-50.

3.0 Oracle Errors

The Predefined Planning Reports application was developed using the Oracle tool suite. Periodically the application may display an error message due to an internal system problem. The message will be in two parts, a prefix and a suffix. The following table indicates the appropriate Oracle Reference Manual based on the message prefix:

Message Prefix	Reference
ORA	Oracle 7 Message and Codes
REP	Oracle Reports 2.0 Messages and Codes

The user should note the message prefix and the error number in the suffix of the message and contact their system administrator for help in resolving the problem.

4.0 Processing

The following sections describe the steps necessary to generate the reports available in the GCCS Predefined Planning Reports application.

4.1 Menu Operation

In the screens that comprise the GCCS Predefined Planning Reports application, certain functions operate consistently throughout the application. These are the radio buttons, check boxes, the OK button, the Cancel button, and the Help button.

4.1.1 Radio Buttons

Most screens have one or more radio buttons, which are clicked to select items from a list, usually for report selection criteria. Check boxes are square shaped and one or more may be selected.

4.1.2 Check Boxes

Some screens have a group of check boxes, which are clicked to sekect items from a list, usually for report selection criteria. Check boxes are square shaped and one or more may be selected.

4.1.3 OK

Click OK to signify that selection is completed on the current screen. At this point, one of the following will happen: 1) the next screen is displayed if further user input is required, 2) the report is generated if no more information is necessary to produce the report.

4.1.4 Cancel

Click Cancel from a screen to cause the application to return to the previous screen.

4.1.5 Help

Click Help to display a help menu or window.

Appendix A
Acronym Definitions

The following table lists the acronyms that occur in the reports being generated. For a more complete listing, refer to the GCCS Acronym List.

ABBRD	**Abbreviated**
ALD	**Available to Load Date**
APORTS	**Aerial Ports**
BBLK	**Breakbulk**
BBLS	**Barrels**
BF	**Master Force List Module of JDS**
C7	**OPLAN Comparison module of JDS**
CBBLS	**Hundreds of Barrels**
CFSW	**Center for Software**
CFSW-SETA	**Center for Software-Software Engineering and Technical Assistance**
CM	**Configuration Management**
COE	**Common Operating Environment**
CSCI	**Computer Software Configuration Item**
DD HHMMZ MMMYY	**Day-Hour-Minute in Zulu Time -Month-Year**
DEST	**Destination**
DESTDLY	**Destination Daily Reception Requirement Report**
DESTSUM	**Destination Reception Requirement Summary Report**
DISA	**Defense Information Systems Agency**
DLA	**Defense Logistics Agency**
DLYLFT	**Intratheater Daily Lift Requirement Report**
EAD	**Earliest Arrival Date**
EDD	**Estimated Departure Date**
EDS	**Electronic Data Systems**
FACCAP	**Facility Offload/Clearance Capacities Planning Factors Report**
FQT	**Formal Qualification Test(ing)**
FRCCGO	**Force Cargo Analysis Report**
FRCLIST	**Master Force List Report**
GCCS	**Global Command and Control System**
GUI	**Graphical User Interface**
HP	**Hewlett Packard**
HP-UX	**HP version of UNIX**
ID	**Identification**

JDS	**Joint Deployment System**
JOPES	**Joint Operations Planning and Execution System**
LAD	**Latest Arrival Date**
LFF	**Logistics Factors File**
LFTANL	**Daily Lift Requirement Analysis Report**
LFTSUM	**Intratheater Lift Requirement Summary Report**
MM-DD-YY	**Month-Day-Year**
MOBWRK	**Mobility Factor Daily Workload Report**
MTON	**Measured Ton**
MTRXADV	**Matrix Advisory Report**
NAT	**Non-Air Transportable**
OPLAN	**Operation Plan**
PAX	**Passengers**
PC	**Personal Computer**
PLNCOMP	**OPLAN Comparison Report**
POC	**Point of Contact**
POD	**Port of Debarkation**
POE	**Port of Embarkation**
POL	**Petroleum, Oil, and Lubricants**
PORTS	**Sea Ports**
PR	**Problem Report**
QA	**Quality Assurance**
RDBMS	**Relational Data Base Management System**
RDD	**Required Delivery Date**
RLD	**Ready to Load Date**
S&M	**Scheduling and Movement Subsystem**
SDD	**Software Design Description**
SOW	**Statement of Work**
SQL	**Structured Query Language**
STD	**Software Test Description**
STON	**Short Ton**
STP	**Software Test Plan**
SUMANL	**Summary Lift Requirement Analysis Report**
SYS	**System Level**
TFE	**Transportation Feasibility Estimator**
TPFDD	**Time Phased Force Deployment Data**
UDC	**Unit Description Code (Unit Condition Code/Unit Component**

	Code/Unit Role)
ULC	**Unit Level Code**
UIC	**Unit Identifier Code**
UTC	**Unit Type Code**
WWMCCS	**World-Wide Military Command and Control System**